

## Data sheet Human IFN- $\gamma$ ELISPOT antibody pair; 10-plate format

Cat. No.: CT640-10

### Coating antibodies (2 vials)

Product: Monoclonal antibody to human interferon gamma (IFN- $\gamma$ )  
Isotype: Mouse IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: DEAE ion exchange chromatography  
Contents: Each vial contains sufficient material for coating of five 96-well ELISPOT plates  
Buffer: Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose  
Application: Coating antibody in an ELISPOT system  
Reconstitution: Dissolve the contents of the vial by injection of 0.25 ml distilled water into the vial and dilute 100 times in PBS. The total amount of one vial is sufficient for five 96-well ELISPOT plates (480 determinations; 50  $\mu$ l/well).

### Detection antibodies (2 vials)

Product: Biotinylated monoclonal antibody to human interferon gamma (IFN- $\gamma$ )  
Isotype: Mouse IgG<sub>1</sub>  
Production: *In vitro* using serum free medium  
Purification: DEAE ion exchange chromatography  
Labeling: With Biotin-7-NHS (N-hydroxysuccinimide)  
Contents: Each vial contains sufficient material for five 96-well ELISPOT plates  
Buffer: Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose  
Application: Detection antibody in an ELISPOT system  
Reconstitution: Dissolve the contents of the vial by injection of 0.5 ml distilled water into the vial and dilute 100 times in Dilution buffer (see Technical Data Sheet). The total amount of one vial is sufficient for twenty 96-well ELISPOT plates (480 determinations; 100  $\mu$ l/well).

### General

Specificity: Validated for detecting human IFN- $\gamma$   
Sterility: Membrane filtered (0.2  $\mu$ m)  
Stability: The lyophilized products are stable for at least one year at 4°C (expiry date is indicated on the vials).  
After reconstitution, the antibodies are stable for several months at 4°C (if kept sterile) or for minimal one year at -20°C.  
References: Arif, S. *et al.* 2004. J. Clin. Invest. 113: 451-463  
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Grakoui, A. *et al.* 2003. Science 302: 659-662  
Pfleger, C. *et al.* 2010. J. Autoimmun. 34:127-135  
Skowera, A. *et al.* 2005. J. Immunol. 175: 7235-7243